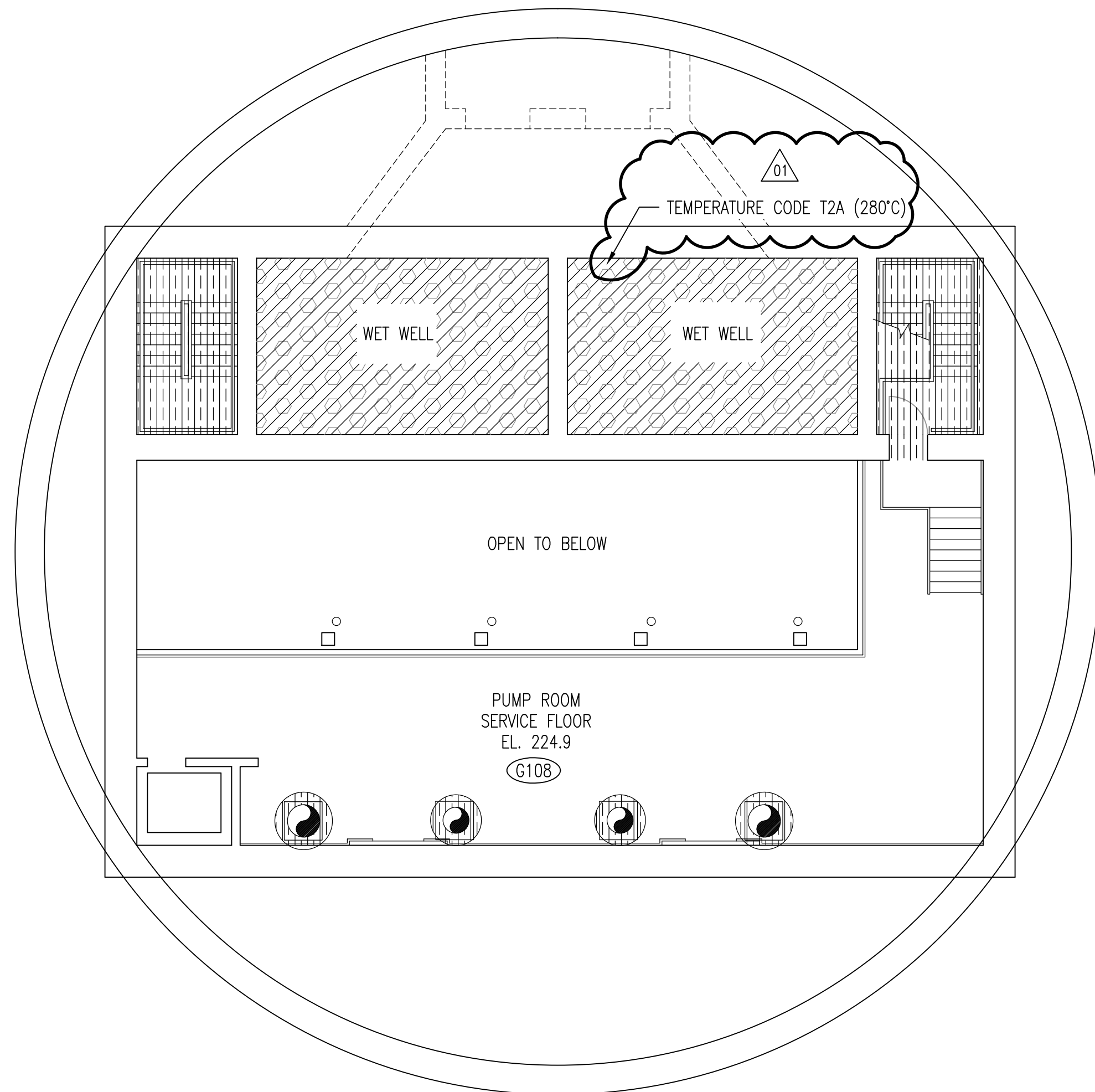


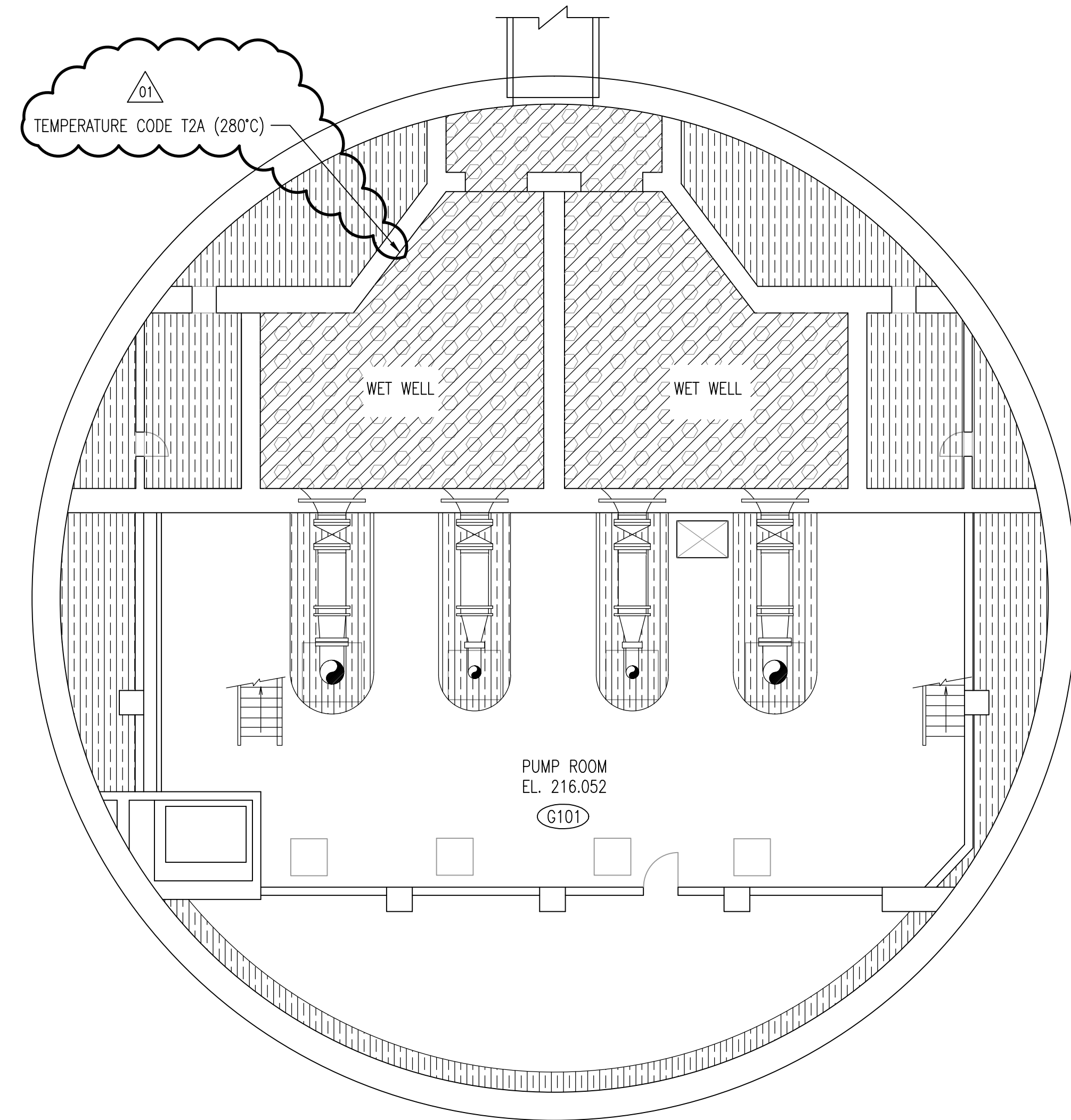
KEYPLAN

LEGEND

- HAZARDOUS CLASS I, ZONE 1, GROUP IIA
- HAZARDOUS CLASS I, ZONE 2, GROUP IIA
- CATEGORY 1 (MOISTURE)
- CATEGORY 2 (CORROSIVE)
- CATEGORY 2 WET (MOISTURE & CORROSIVE)



PUMP WELL - FLOWMETER LEVEL



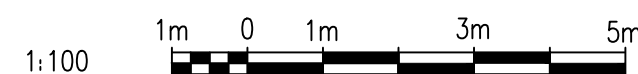
PUMP WELL - DRYWELL LEVEL

VENTILATION ANALYSIS						
SPACE	VENTILATION OUTDOOR	RETURN	PRESSURE	HEATED	VENT FAILURE DETECTION	NOTES
PUMP ROOM (INCLUDES SOUTH SPACE)	1.54 ACH	~1.1 ACH	~NEUTRAL	YES	YES	
STAIRWELL	-	-	-	NO	N/A	

SPECIFIC NOTES:

- THE EXISTING VENTILATION IN THE SPACE HAS BEEN SHOWN TO BE SUFFICIENT TO LIMIT THE MOISTURE IN THE SPACE TO LEVELS WHERE THE NORMAL OPERATION OF ELECTRICAL EQUIPMENT WILL NOT BE AFFECTED, WITH THE EXCEPTION OF AROUND THE RAW SEWAGE PIPING AND EXTERIOR WALLS.

NOTES:  
 1. THE INDICATED VENTILATION RATES ARE BASED ON EXISTING DOCUMENTATION AND HAVE NOT BEEN VERIFIED VIA ONSITE TESTING.



NO.	REVISIONS	DATE	DESIGN	CHECK
01	MODIFIED TEMPERATURE CODE	2012/02/13	TMC	CJR
00	ISSUED FOR TENDER, BID OPP: 209-2011	2011/03/31	TMC	CJR

**SNC-LAVALIN INC.**  
 148 Nature Park Way  
 Winnipeg, MB, Canada R3P 0X7  
 204-786-8080

DESIGNED BY: T. CHURCH  
 DRAWN BY: S. COATES  
 SCALE: 1:100  
 DATE: 2009/11/05  
 CONSULTANT NO.: 112577-0113-47DD-1200

CHECKED BY: C. REIMER  
 APPROVED BY: C. REIMER  
 RELEASED FOR CONSTRUCTION BY: N. HARRINGTON  
 DATE: 2011/03/31

ENGINEER'S SEAL  
 ORIGINAL DRAWING  
 SEALED BY:  
 T. M. CHURCH  
 SNC-LAVALIN  
 MEMBER #32682  
 2012/02/15  
 REV. 01  
 CHANGES ONLY

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE  
 ELECTRICAL CLASSIFICATION UPGRADES  
 ELECTRICAL CLASSIFICATION PLAN  
 WETWELL & DRYWELL

CITY DRAWING NUMBER: 1-0102G-E0012  
 SHEET: 001  
 REV: 01  
 SIZE: A1

DRAWING NUMBER	REFERENCE DRAWINGS
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